

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (canceled)

Claim 11 (currently amended) An oven lock mechanism for use with an oven having a door and a frame surrounding a cooking chamber having an opening selectively closed by engagement of the door with the frame, the lock mechanism comprising:

a mounting plate mounted to the frame, the mounting plate including a front mounting plate portion coupled to a front of the frame adjacent the cooking compartment opening and a rear mounting plate portion coupled to a rear of the oven;

a latch mounted to the front mounting plate portion for movement about a pivot axis and rotatable about the pivot axis between an unlatched and latched position, the latch including a follower surface offset from the pivot axis;

an actuator pin movably supported by the front mounting plate portion, the actuator pin having an outer end extending beyond the front mounting plate portion for engaging the oven door upon closure and a cam end engaging the follower surface for rotating the latch into the latched position wherein the door is adapted to be captured by the latch;

a blocker mounted to the rear mounting plate portion, the blocker
selectably movable into a blocking position when the latch is in a latched position for
interfering with the rotation of the latch such that the latch is locked into the latched
position for locking the oven door in a closed position [[and]]

~~an electromechanical actuator~~ a motor mounted to the rear mounting plate
portion base plate, the ~~actuator~~ motor moving the blocker and wherein movement of the
blocker into the blocking position induces additional movement of the latch to pull the
oven door closer to the frame; and

a lever mounted to the rear mounting plate portion for movement relative
thereto and a link coupling the lever to the latch.

Claim 12 (canceled).

Claim 13 (currently amended) The device of claim [[12]] 11 wherein the blocker is
rotated sixty degrees or less to induce the additional movement of the latch to pull the
oven door closer to the frame.

Claims 14-15 (canceled).

Claim 16 (currently amended): The device of claim [[15]] 11 wherein the blocker
engages the lever and induces movement of the lever to induce the additional movement
of the latch to pull the oven door closer to the frame.

Claim 17 (original): The device of claim 16 and further comprising a switch arranged to be selectively actuated by the lever and controlling a motor drive circuit.

Claim 18 (previously presented): An oven lock mechanism for use with a self-cleaning oven having a door for selectively closing an opening of a cooking compartment surrounded by a frame and a compressible seal, the oven lock mechanism comprising:

- a mounting plate coupled to the frame near the oven compartment opening;

- a latch pivotably mounted to the mounting plate about a pivot axis and rotatable between an unlatched and latched position, the latch including a follower surface offset from the pivot axis;

- a blockable member mounted for movement relative to the mounting plate the blockable member being coupled to the latch so that when movement of the blockable member is blocked, movement of the latch from the latched to the unlatched position is inhibited;

- an actuator pin movably supported by the mounting plate, the actuator pin having an outer end extending beyond the mounting plate for engaging the oven door upon closure and a cam end engaging the follower surface for rotating the latch into the latched position wherein the door is adapted to be captured by the latch; and

- a blocker mounted for movement relative to the mounting plate to selectively block and unblock the blockable member; and

- a motor coupled to the mounting plate, the motor when actuated moving the blocker and wherein movement of the blocker induces additional movement of the

latch from the latched position to a position wherein the oven door engages and compresses the seal.

Claim 19 (original): The device of claim 18 wherein the motor when actuated moves the blocker into engagement with the blockable member to induce the additional movement of the latch from the latched position to the position wherein the oven door engages and compresses the seal.

Claim 20 (original): The device of claim 18 and further comprising an arm mounted for movement relative to the mounting plate, a dual cam including the blocker and an arm engaging cam and wherein the latch is mounted to the arm and when actuated the motor drives the arm engaging cam to move the arm and induce the additional movement of the latch from the latched position to the position wherein the oven door engages and compresses the seal.

Claim 21 (currently amended): An oven lock mechanism for use with an oven having a door and a frame surrounding a cooking chamber having an opening selectively closed by engagement of the door with the frame, the lock mechanism comprising:

a mounting plate mounted to the frame, the mounting plate includes a front mounting plate portion coupled to a front of the frame adjacent the cooking compartment opening and a rear mounting plate portion coupled to a rear of the oven;

a latch mounted to the front mounting plate portion for movement about a pivot axis extending through the latch and pivotable about the pivot axis between an

unlatched and latched position, the latch including a follower surface offset from the pivot axis;

an actuator pin supported on the front mounting plate portion for movement upon closure of the oven door, the actuator pin having a cam end engaging the follower surface of the latch upon closure of the oven door for urging the latch to pivot into the latched position wherein the door is adapted to be captured by the latch;

a blocker mounted on the rear mounting plate portion and being selectably movable into a blocking position when the latch is in a latched position for interfering with the rotation of the latch such that the latch is locked into the latched position for locking the oven door in a closed position; and

~~an electromechanical actuator~~ a motor mounted to the rear mounting plate portion ~~base plate~~, the ~~actuator~~ motor moving the blocker and wherein movement of the blocker into the blocking position induces additional movement of the latch to pull the oven door closer to the frame; and

a lever mounted to the rear mounting plate portion for movement relative thereto and a link coupling the lever to the latch.

Claim 22 (canceled).

Claim 23 (currently amended) The device of claim ~~[[22]]~~ 21 wherein the blocker is rotated sixty degrees or less to induce the additional movement of the latch to pull the oven door closer to the frame.

Claims 24-25 (canceled).

Claim 26 (currently amended): The device of claim ~~[[25]]~~ 21 wherein the blocker engages the lever and induces movement of the lever to induce the additional movement of the latch to pull the oven door closer to the frame.

Claim 27 (previously presented): The device of claim 26 and further comprising a switch arranged to be selectively actuated by the lever and controlling a motor drive circuit.

Claim 28 (previously presented): The device of claim 21 and further comprising a lever mounted to the rear mounting plate portion for movement relative thereto and a link coupling the lever to the latch.

Claim 29 (previously presented): The device of claim 28 wherein the blocker engages the lever and induces movement of the lever to induce the additional movement of the latch to pull the oven door closer to the frame.

Claim 30 (previously presented): The device of claim 29 and further comprising a switch arranged to be selectively actuated by the lever and controlling an ~~electromechanical actuator~~ a motor drive circuit.